

SORODOC, G.; SURDAN, C.; SARATEANU, D.; SUTEU, V., asistent tehnic

Identification of the virus causing enzootic pneumonia in swine.
Studii cerc inframicrobiol Special issue-supplement to 12:355-364
'61.

1. Institutul de inframicrobiologie al Academiei R.P.R.

(VIRUSES) (VETERINARY MEDICINE) (PNEUMONIA)

SARATEANU, D.; NASTAC, E.; FUHRER-ANAGNOSTE, B.; SORODOC, G.; SURDAN, C.; LISSIEVICI-OPRESCU, E.; SUTEU, V., asistent tehnic; ANENCOV, L., asistent tehnic

Incidence rate of ornithotic antibodies in men working in the zootechnical field. Studii cerc inframicrobiol Special issue-supplement to 12:365-371 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R. 2. Membru al Comitetului de redactie, "Studii si cercetari de inframicrobiologie" (for Sarateanu).

(ANTIGENS AND ANTIBODIES) (ORNITHOSIS)
(OCCUPATIONAL DISEASES)

SURDAN, C.; SARATEANU, D.; SORODOC, G.; FUHRER-ANAGNOSTE, B.; AMENCOV, E.,
assistant tehnic

Isolation of a virus of the pararickettsia group from the enzootic
graminous vulvovaginitis in cattle. Studii cerc inframicrobiol
Special issue-supplement to 12:373-379 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R. 2. Membru al
Comitetului de redactie, "Studii si cercetari de inframicrobiologie"
(for Sarateanu).

(VIRUSES) .. (RICKETTSIAL DISEASES)
(VAGINITIS IN CATTLE)

TOMESCU, V.; PASCU, L.; SURDAN, C.; POPA, M.; DOHOTARU, V.; ELEFTERESCU, A.; GHEORGHIU, I.; EUSTAFIEVICI, O.; MOLDOVAN, Gh.; CONSTANTINESCU, Cr.; DAN, F.; IFTIMOVICI, R.; ANASTASIU, I., asistent tehnic; FLOREA, A., asistent tehnic

On the immunity following the antiaphthous vaccination. Studii cerc
inframicrobiol Special issue-supplement to 12:385-397 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R., Laboratorul
de viroze animale si Institutul de seruri si vaccinuri Pasteur,
Bucuresti. 2. Membru al Comitetului de redactie, "Studii si cercetari
de inframicrobiologie" (for Tomescu).

(FOOT-AND-MOUTH DISEASE) (IMMUNITY)

SURDAN, C.; TOMESCU, V.; DOHOTARU, V.; POPA, M.; IFTIMOVICI, R.; MOLDOVANU, G.; URACHE, O.; LUPASCU, L., asistent tehnic

On the presence and persistence of aphthous virus in the body of experimentally infected cattle. Studii cerc inframicrobiol Special issue-supplement to 12:399-428 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R., Laboratorul de viroze animale si Institutul de seruri si vaccinuri Pasteur, Bucuresti. 2. Membru al Comitetului de redactie, "Studii si cercetari de inframicrobiologie" (for Tomescu).

(FOOT-AND-MOUTH DISEASE) (VIRUSES)

SURDAN, C.; DUMITRescu, S.; IONESCU, N. I.; POPA, M.; PACURARU, E.,
asistent tehnic

Electron-microscopic studies of the changes occurring in the myofibrils
of suckling mice infected with aphthous virus. Studii cerc inframicro-
biol Special issue-supplement to 12:429-436 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R.

(MUSCLE) (FOOT-AND-MOUTH DISEASE) (VIRUSES)

GHEORGHIU, I.; ALBU, T.; SURDAN, C.; CARP, N.; POPA, M.

Immogenic value of the adsorbed vaccine of swine plague associated with Salmonellae. Studii cerc inframicrobiol Special issue-supplement to 12:455-461 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R. si Institutul de seruri si vaccinuri Pasteur, Bucuresti.

(IMMUNITY) (SWINE PLAGUE) (SALMONELLA)

PASCU, L.; SURDAN, C.; ELEFTERESCU, A.; ENACHE, A.

Behavior of the vaccine adsorbed on Al(OH)_3 in the prophylaxis of fowl pox. Three years of full use in practice. Studii cerc inframicrobiol Special issue-supplement to 12:471-478 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R. si Laboratorul de control stiintific al Ministerului Agriculturii (for Pascu, Surdan, and Elefeterscu). 2. Departamentul GOSTAT (Gospodarie de Stat)(for Enache).

(CHICKEN-POX IN POULTRY) (VACCINES)

SURDAN, C.; POPESCU-DANEȘCU, G.; SORODOC, Gh.; BABA, C.

Experimental investigations on the relations between the human
epidemic hepatitis virus and canine contagious hepatitis virus
(Ribbarth). Stud. cercet. inframicrobiol. Bucur. 12 no.1:39-52
'61.
(HEPATITIS INFECTIOUS virology)

SURDAN, C.; SORODOC, Gh.

Experimental investigations concerning active immunization against
inframicrobial enzootic pneumonia of swine. Stud. cercet. inframicrobiol.
Bucur. 12 no.1:53-61. '61.
(PNEUMONIA immunology) (SWINE diseases)

SARATEANU, D.; SURDAN, C.; SORODOC, Gh.; FUHRER-ANAGNOSTE, B.

Isolation of an inframicrobe from a focus of ovine enzootic abortion.
Stud. cercet. inframicrobiol. Bucur. 12 no.1:95-103 '61.

1. Comunicare prezentata la Institutul de inframicrobiologie al Academiei R.P.R.
(ABORTION veterinary) (MILAGAWANELLA)
(SHEEP diseases) (SALMONELLA INFECTIONS veterinary)

NICOLAU, St.S. academician; SURDAN, C.; SARATEANU, D.; ATHANASIU, P.;
FUHRER-ANAGNUSTE, B.; in colaborare cu ILIESCU, C.; RADESCU, R.

Viral etiology in the field of cardiovascular diseases. I. Isolation
of viruses from the blood of patients with cardiovascular diseases.
Stud. cercet. inframicrobiol. 12 no.3:275-283 '61.
(RAYNAUD'S DISEASE virology) (THROMBOANGIITIS OBLITERANS virology)
(MIOCARDIAL INFARCT virology) (MIYAGAWANELLA)

SARATEANU, D.; SURDAN, C.; SOBODOC, G.; FUHRER-ANAGNOSTE, B.; in colaborare
cu DUMA, D.; MARTA, M.; CUPSA, V.

Investigations of an ornithosis epizootic in canaries connected with
human cases. Stud. cercet. inframicrobiol. 12 no.3:347-351 '61.

1. Communicare prezentata la Institutul de infromicrobiologie al
Academiei R.P.R. in sedinta din 5 mai 1961.
(ORNITHOSIS epidemiology)

SARATEANU, D.; SORODOC, G.; SURDAN, C.; FUHRER-AN-ANAGNOSTE, B.

Bovine ornithosisic bronchopneumonia and the possibilities of human
contamination. Stud. cercet. inframicrobiol. 12 no.3:353-358 '61.

1. Communicare prezentala la Institutul de inframicrobiologie al
Academiei R.P.R.
(ORNITHOSIS transmission) (CATTLE diseases)
(BRONCHOPNEUMONIA)

SARATEANU, D.; SURDAN, C.; SORODOC, G.; ANAGNOSTE, B.; BERCAN, A.; KRESTEL, R.

Pararickettsial abortion of ewes. Studies on the experimental disease
and active immunization. Studii cerc inframicrobiol 12 no.4:441-450
'61.

1. Institutul de inframicrobiologie al Academiei R.P.R. (for all except
Bercan & Krestel). 2. Institutul de seruri si vaccinuri Pasteur,
Buduresti (for Bercan and Krestel). 3. Membru al Comitetului de redactie
"Studii si cercetari de inframicrobiologie" (for Sarateanu)

SURDAN, C.; SARATEANU, D.; SORODOC, G.; ATHANASIU, P.; ANAGNOSTE, B.;
BERCAN, A.; KRESTEL, R.

Experimental study of pararickettsial pneumonia of calves. Studii cerc
inframicrobiol 12 no.4:451-465 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R. (for all except
Bercan, Krestel) 2. Institutul de seruri si vaccinuri Pasteur, Buduresti
(for Bercan and Krestel) 3. Membru al Comitetului de redactie "Studii
si cercetari de inframicrobiologie" (for Sarateanu).

+

NICOLAU, St. S., acad.; SURDAN, C.; SARATEANU, D.; ATHANASIU, P.; SORODOC, G.;
ANAGNOSTE, B.; ILIESCU, C.; RADESCU, R.

Viral etiology in cardiovascular diseases. II. Viral study of fifty
cases. Studii cerc inframicrobiol 12 no.4:525-534 '61.

1. Institutul de inframicrobiologie al Academie R.P.R. 2. Membru al
Comitetului de redactie si redactor responsabil "Studii si cercetari de
inframicrobiologie" (for Nicolau) 3. Membru al Comitetului de redactie
"Studii si cercetari de inframicrobiologie" (for Sarateanu)

NICOLAU, St.S., academician; SALATISANU, D.; SURDAN, G.; ATHANASIU, P.; ANAGNOSTE, B.; SORODOC, G.; incolaborare cu ILIESCU, C.; RADESCU, R.; MALITCHI, E.

Inframicrobiol etiology in the field of cardiovascular diseases.
III. Thromboangitis obliterans with migratory phlebitis of
Rickettsial etiology. Stud. cercet. inframicrobiol. 12 no.4:535-541
'61.

1. Comunicare prezentata la Institutul de inframicrobiologie al
Academiei R.P.R. [REDACTED]

(THROMBOANGITIS OBBLITERANS virology)
(PHLEBITIS virology) (RICKETTSIAL DISEASES)
(CARDIOVASCULAR DISEASES virology)

NICOLAU, St. S., acad.; SARATEANU, D.; SURDAN, C.; ATHANASIU, P.; ANAGNOSTE, B.;
SORODOC, G.; ILIESCU, C.; RADESCU, R.; MALITCHI, E.

Viral etiology in cardiovascular diseases. III. Thromboangiitis
obliterans with migratory phlebitis of rickettsial origin. Studii cerc
inframicrobiol 12 no.4:535-541 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R. 2. Membru al
Comitetului de redactie si redactor responsabil "Studii si cercetari
de inframicrobiologie" (for Nicolau) 3. Membru al Comitetului de
redactie "Studii si cercetari de inframicrobiologie" (for Sarateanu).

+

NICOLAU, St. S., acad.; SARATEANU, D.; ATHANASIU, P.; SURDAN, C.; SORODOC, G.; ANAGNOSTE, B.

Viral etiology in cardiovascular diseases. IV. Experimental and histological study on some cases of rickettsial thromboangiitis obliterans.
Studii cerc inframicrobiol 12 no.4:543-549 '61.

1. Institutul de inframicrobiologie al Academiei R.P.R. 2. Membru al Comitetului de redactie si redactor responsabil. 3. Membru al Comitetului de redactie "Studii se cercetari de inframicrobiologie" (for Sarateanu)

SURDAN, C.; SORODOC, G.; SARATEANU, D.; SUTEU, V.

Investigations of the isolation and identification of swine enzootic pneumonia virus. Izv. mikrobiol. inst. (Sofia) 13:135-142 '61.

(VIRUS DISEASES veterinary) (PNEUMONIA virol)
(SWINE dis)

SARATEANU, D.; SURDAN, C.; SORODOC, G.; FUHRER-ANAGNOSTE, B.

Investigations on the incidence of ornithosis infections in bovines.
Izv. mikrobiol. inst. (Sofia) 13:143-147 '61.

(ORNITHOSIS veterinary) (CATTLE dis)

(14)

Bucharest, No 2, Year 1962
Memoriala Parasitaria, "Endemioziile"

1. The Group of Respiratory Viruses", Academian S. I. MOLDOVAN and Com. I. GOLDE; pp 97-129.
2. "The Morphopathology of Respiratory Viral Diseases," Dr. M. MARINCIUC and Dr. V. PARASCHI; pp 113-118.
3. "Respiratory Viral Diseases Transmissible from Animals to Man," Dr. D. SARACOVU and Dr. C. MIRCU; pp 119-123.
4. "The Mechanism of Multiplication of Some Respiratory Viruses," Dr. N. RICHA and Dr. I. SAVULESCU; pp 125-131.
5. "The Radio-clinic Aspects of Viral Respiratory Diseases in the Child," Prof. A. BULGARU, Dr. N. RICHA, Dr. Valeriu POPESCU and Dr. O. MAFALDINU; pp 133-140.
6. "Antivirulence in the Therapy of Respiratory Viral Diseases," Prof. N. SALIS; pp 141-146.
7. "Virus Carriers in Respiratory Infections," Dr. Adelina DRAGOVICI; pp 147-151.
8. "Prophylaxis of Influenza," Dr. I. NICOLESCU, Dr. M. PETRESCU, Dr. Agata ZILKHA and Dr. I. NICOLESCU; pp 151-162.
9. "Conclusions of the International Conference on Viral Respiratory Diseases," Bala Pare, 25-30 September 1961; pp 163-169.

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CONFIDENTIAL

NICOLAU, St. S., academician; ATHANASIU, Pierrette; SURDAN, G.; SARATEANU, D.; SORODOC, G.; AVAGNOSTE, B.; in colaborare cu ILIESCU, C.; RADESCU, R.; VELCIU, V.; MARDARE, I.

Viral etiology of cardiovascular diseases. VI. Histopathological evidence of rickettsial or parickettsial infection in thromboangiitis and myocardial infarct. Stud. cercet. inframicrobiol. 13 no.1:19-26 '62.

(THROMBOANGIITIS OBLITERANS virology)
(MYOCARDIAL INFARCT virology)
(CARDIOVASCULAR DISEASES virology)
(RICKETTSIAL DISEASES)

NICOLAU, St.S.; SARATEANU, D.; SURDAN, C.; ATHANASIU, P.; ANAGNOSTE, B.;
SORODOC, G.; with the collaboration of ILIESCU, C.; RADESCU, R.;
MALITCHI, E.

Viral etiology in cardiovascular affections. III. Thromboangiitis
obliterans with migratory phlebitis of rickettsial origin. Rev. sci.
med. 7 no.1/2;93-97 '62.

1. Member of the Academy of the R.P.R. (for Nicolau).
(THROMBOANGIITIS OBLITERANS) (THROMBOPHLEBITIS)
(RICKETTSIAL DISEASES)

ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED

M. S. CHI, A. JAHN, L. L. STANWICH, R. BURCHMORE, R. W. GUNN,
J. HEDBERG-LUND, J. M. KARLSEN, AND G. V. KLEIN, Research Institute
of Maternal and Child Health and Institute of Epidemiology (Institute
of International Health), CIC 1988.

Role of Rickettsiae and Babesia in Pathology of Pregnancy. Part
I. Relationship between Maternal Infections and Stillbirths.

J. Reprod. Abnorm. Fertil., 1988, Vol 13, No. 2, 179-183.

Institute of Hygiene (university classified): study related to research started
by Dr. G. V. Klein, M. Sc. of the Fetus Research Institute, evaluating relation
to rickettsial and babesial microorganisms found in 5% of cases of
maternal infections with abortion or stillbirth or birth of non-viable
infants. In the first 3 months of 1986 mothers with healthy normal infants, 21% were
in the infected group. One positive sample with 3 of 20 samples tested.
From one sample and 1 stillborn, rickettsiae-like organisms were isolated.
Conclusion of possibility, rickettsiae being, pathogenetic agent.
Source: 1 French, 1 German, 2 American references.

SUKHANOV, C.

G-3

REFERENCES: C. S. SUKHN, IN: B. M. GOLDBECK, V. V. KROKHINA,
S. A. KARASIK AND G. V. SOKOLOV (editors) (editors) (editors) (editors)

Proceedings of the 1st International Conference on Enterovirus, 1962
and its variants and their relationship to Enterovirus of humans.
Proceedings of the International Conference on Enterovirus and Congenital Malformations,
1962, held at the Institute of Virology and Immunobiology, Vol. II, No. 2, 1962;
Moscow, 1963. (Russian) In: *Virus, 1962*, pp. 101-102.

Abstract: *Qualitative seroconversion in children*: Study of sera of children who bore
enterovirus during pregnancy. Of 26 infants without having had clinically manifest
enterovirus during pregnancy, 17 or 65% had positive reaction, 10 to
various strains. From patients, 3 rubella-like strains were
isolated. In 1 case, same strain was received. In contrast, only 5
children - in 1 case, same strain were received. In contrast, only 5
children gave weakly positive or doubtful results in a control group of 16
mothers with normal pregnancies. Two tables, 6 Russian and 4 French refs.

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NICOLAU, St.S., academician; SURDAN, C.; SARATEANU, D.; ATHANASIU, Pierrette;
SORODUC, G.; ANAGNOSTE, B.; in colaborare cu ILIESCU, C.; RADESCU, R.

Inframicrobiol etiology of cardiovascular diseases. VII. Experimental,
serological and histopathological studies. Stud. cercet. inframicrobiol.
13 no.2:145-161 '62.

(CARDIOVASCULAR DISEASES virology) (VIRUS DISEASES)
(RAYNAUD'S DISEASE virology) (PHLEBITIS virology)
(CORONARY DISEASE virology) (RICKETTSIAL DISEASES)

NICOLAU, St.S., academician; PETRESCU, Al.; ATHANASIU, Pierrette; SURDAN, C.;
CAJAL, N.; SARATEANU, D.; in colaborare cu VELCIU, V.

Inframicrobial etiology in ulcerous disease. I. Stud. cercet.
inframicrobiol. 13 no.3:291-295 '62.

1. Comunicare prezentata la Institutul de inframicrobiologie al
Academiei R.P.R.
(PEPTIC ULCER) (RICKETTSIAL DISEASES) (RICKETTSIA PROWAZEKII)

SURDAN, C.; PORTOCALA, R.; DUMITRESCU, S.; IONESCU, N.I.

Cytological study of the changes produced by the Rubarth virus in the liver of chick embryos. Stud. cercet. inframicrobiol. 13 no.3:335-349 '62.

1. Comunicare prezentata la Institutul de inframicrobiologie al Academiei R.P.R.

(HEPATITIS, ANIMAL) (DOG DISEASES)
(ANIMAL VIRUSES) (HEPATITIS VIRUSES) (VIRUS CULTIVATION)
(Tissue Culture)

CAJAL, M.; RATIU, D.; ALEXANDRESCU, M.M.; CUPCEANCU, B.; in colaborare cu
SURDAN, C.; POPESCU-DANESCU, G.; ANAGNOSTE, B.; SORODOC, G.

The role of Ricksettsias and Pararickettsias in pregnancy pathology.
I. Investigations of the relation between rickettsial and pararickettsial infections in mothers and neonatal mortality. Stud. cercet. inframicrobiol. 13 no.6:659-665 '62.

1. Comunicare prezentata la Institutul de inframicrobiologie al Academiei R.P.R.

(RICKETTSIAL DISEASES) (PREGNANCY COMPLICATIONS)
(INFANT MORTALITY) (ABORTION) (FETAL DISEASES)

ILIESCU, C.C., prof.; RADESCU, Radu; in collaboration with NICOLAU, St. S., prof.;
SURDAN, C.; SARATEANU, D.; ATHANASIU, P.; ANAGNOSTE, B.; SORODOC, G.

Some data on the role of germs belonging to the rickettsia and
pararickettsia groups in the aetiology of certain cardiovascular
affections. Rumanian med. rev. no.8:35-40 '62.

(RICKETTSIAL DISEASES) (CARDIOVASCULAR DISEASES)

NICOLAU, St.S.; SURDAN, C.; SARATEANU, D.; ATHANASIU, P.; SORODOC, G.;
ANAGNOSTE, B.; with the collaboration of ILIESCU, C.; RADESCU, R.

Viral etiology in cardiovascular affections. II. A virological
study of 50 cases. Rev. sci. med. 7 no.1/2:87-91 '62.

1. Member of the Academy of the R.P.R. (for Nicolau).
(RICKETTSIAL DISEASES) (CARDIOVASCULAR DISEASES)

NICOLAU, S. St.; SARATEANU, D.; ATHANASIU, P.; SURDAN, G.; SORODOC, G.;
ANAGNOSTE, B.

Viral etiology in cardiovascular affections. IV. Experimental
and histopathological study of some cases of rickettsial thrombo-
angiitis obliterans. Rev. sci. med. 7 no.1/2:99-103 '62.

1. Member of the Academy of the R.P.R. (for Nicolau).
(THROMBOANGIITIS OBLITERANS) (RICKETTSIAL DISEASES)

NICOLAU, St.S.; PETRESCU, Al.; ATHANASIU, Pierrette; SURDAN, C.; in collaboration with VELCIU, V.

Inframicrobiol etiology of the ulcerous disease. Rev. sci. med. 7 no.3/4:177-180 '62.

1. Member of the Academy of the R.P.R. (for Nicolau).
(PEPTIC ULCER) (RICKETTSIAL DISEASES)

ANAGNOSTE, B.; SARATEANU, D.; SURDAN, C.; SORODOC, G.

Distribution of ornithosis-psittacosis germs in embryonated hen egg.
Stud. cercet. inframicrobiol. 13 no.6:725-730 '62.

1. Comunicare prezentata la Institutul de inframicrobiologie al
Academiei R.P.R.

(MIYAGAWANELLA)

ILIESCU, C.C., prof.; RADUCLU, Radu, dr. (ASCAR); in colaborare cu: acad.
NICOLAU, St. S.; SUNDAN, C., dr.; SARATEANU, D. dr.; ATHANASIU, P., dr.;
AVAGNOSTE, B., dr.; SOROCOC, Gh., dr.

Some data on the role of microorganisms of the rickettsial and
pararickettsial groups in the etiology of several cardiovascular
diseases. Med. intern. 14 no.4:615-620 My '62.

1. Institutul de inframicrobiologie.

(THROMBOANGIITIS OBLITERANS) (CORONARY DISEASE)
(MYOCARDIAL INFARCT) (ARTERIOSCLEROSIS) (RAYNAUD'S DISEASE)
(RICKETTSIAL DISEASES) (ORNITHOSIS)

ATHANASIU, P.; SURDAN, G.; SARATEANU, D.; POPESCU-DAMESCU, G.;
STEFANESCU, E.; MARIN, D.; VELCIU, V.

Studies on the viral etiology of certain chronic pneumopathies.
Rev. sci. med. 8 no. 1/2:7-10 '63.

(BRONCHITIS) (ASTHMA) (PULMONARY EMPHYSEMA) (RICKETTSIAL DISEASES)

SURDAN, C.; CAJAL, M.; ANAGNOSTE, B.; ATHANASIU, Pierrette;
POPESCU-DANESCU,G.; SORODOC, G.

Research on the role of rickettsias and pararickettsias in
pregnancy pathology. Rev. sci. med. 8 no. 1/2:15-18 '63.

(PREGNANCY COMPLICATIONS) (RICKETTSIAL DISEASES) (ABORTION)
(ABNORMALITIES)

NICOLAU, St. S.; SURDAN, C.; SARATEANU, D.; ATHANASIU, Pierrette;
SORODOC, G.; POPESCU-DANESCU, Georgeta; BABES, V.;
STEFANESCU, I.; ILIESCU, C.; RADESCU, R.; MALITCHI, E.;
CADERE, T.; FLORIAN, I.; PARASCHIVESCU, N.; SETLACEK, D.;
DUMITRESCU, St.; SILVIU DAN, S.

A study concerning the rickettsial or pararickettsial etiology
of some cardiovascular diseases. Rev. sci. med. 8 no.3/4:
151-158 '63.

1. Member of the Academy of the R.P.R. (for Nicolau).
(RICKETTSIAL DISEASES) (ANTIBODIES)
(CARDIOVASCULAR DISEASES) (ENDOCARDITIS)
(PERICARDITIS) (HEART BLOCK) (CORONARY DISEASE)
(THROMBOPHLEBITIS)

SERETSYANU, D.[Sarateanu, D.]; SURDAN, K.[Surdan, C.]; SHORODOK, G.
[Sorodoc, G.]; SHTEFENESKU, I.[Stefanescu, I.]; v sotrudni-
chestve s: DUMA, M.; MARTA, M.; VASILE, K.[Vasile, C.];
FLORESKU, T.[Florescu, T.]; PAIKU, P.[Paiu, P.]

Investigations of active immunization against ovine enzootic
abortion. Immunological study in various epizootic conditions.
Rev. sci. med. 8 no.3/4:167-171 '63.

(RICKETTSIAL DISEASES) (SHEEP DISEASES)
(ABORTION, VETERINARY) (VACCINES)

SURDAN, C.; SARATEANU, D.; POPESCU, G.; SORODOC, G.; ATHANASIU,
Pierrette; STEFANESCU, I.; SILVIU DAN, S.

Research on the rickettsial or pararickettsial etiology of
certain types of thrombophlebitis. Rev. sci. med. 8 no.3/4:
181-184 '63.

(RICKETTSIAL DISEASES) (THROMBOPHLEBITIS)
(VARICOSE VEINS) (TETRACYCLINE)

RUMANIA

Dr Virginia STOENESCU, Veterinarian C. VIOR and Dr Cecilia SURDAN,
Institute of Veterinary Research and Immunotherapy (Institutul de
cercatari veterinare si biopreparate) "Pasteur."

"Prevention and Treatment of Avian Respiratory Mycoplasmosis."

Bucharest, Revista de Zootehnica si Medicina Veterinara, Vol 13, No 4,
Apr 63; pp 65-71.

Abstract : Description of CRD in poultry in various countries as
described in the published literature and also observed in Rumania
since 1959: coryza, tracheitis, aerosacculitis, secondary infections
(treat with streptomycin, sulfadimidine, furazolidone.) Four photo-
micrographs.

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CAJAL, M.; HERSCOVICI, P.; TEODORU, G.; GROSU, L.; in colaborare cu SURDAN, C.;
ANAGNOSTE, B.; POPESCU-DANESCU, G.; SORODOC, G.

The role of Rickettsias and Pararickettsias in pregnancy pathology.
II. Investigations of the relation between rickettsial and pararickettsial
infections in mothers and the occurrence of congenital malformations.
Stud. cercet. inframicrobial. 13 no.6:667-673 '62.

1. Comunicare prezentata la Institutul de inframicrobiologie al
Academiei R.P.R.
(RICKETTSIAL DISEASES) (PREGNANCY COMPLICATIONS)
(ABNORMALITIES)

RUMANIA

D. SARATEANU, C. SURDA, G. SOROCOC, B. AMAGNOSTE and I. STEFANESCU,
Inframicrobiology Institute of the Romanian Academy [of Sciences;]
Institutul de Inframicrobiologie al Academiei R.P.R. [Bucharest.]

"Study of Incidence of Ornithosis Antibodies in Horses and Men."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 14, No 2,
1963; pp 131-135.

Abstract [English summary modified]: Complement fixation studies of
166 equine and 16 human sera of the horse groups revealed that 97 of
former and 13 of latter were positive, suggesting horses may be a
natural reservoir of the ornithosis virus. Two tables; 7 Rumanian,
1 Soviet, 1 Japanese and 4 Western references.

1/1

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RUMANIA

C. SURDA, D. SARATEANU, G. POPESCU, B. AMAGNOSTE, G. SOROCOC, P.
ATHANASIU and I. STEFANESCU [see affiliation above and also] Polyclinic
(Policlinica) "13 Septembrie," [Bucharest.]

"Studies on the Rickettsial or Pararickettsial Etiology of Certain
Thrombophlebitides."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 14, No 2, 1963;
161-170.

Abstract [English summary modified]: Positive or doubtful rickettsial
microagglutination tests were found in 28 out of 39 patients with
thrombophlebitis obliterans, 3 of 4 erythema nodosum, all 5 with
chromboangiitis obliterans; but only 5 of 11 with other diseases. Of
the 36 serologically positive, 24 reacted with Rickettsia burneti;
from the venous blood of 3 patients Rickettsia strains were isolated,
including R. burneti in 2 instances. Tetracyclines were found effective
therapy in thrombophlebitic affections. Much reference to Giroud's data
from French Morocco. Four tables; 5 French and 11 Rumanian references.

1/1

[Inframicrobiology Institute of the Romanian Academy
(Institutul de Inframicrobiologie al Academiei R.P.R. [Bucharest.])

"Investigations on the Viral Etiology of Certain Chronic Pneumopathies."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 14, No 2, 1963;

RUMANIA

D. SARATEANU, C. SURDAN, G. SORODOC, B. ANAGNOSTE and I. STEFANESCU;
Institute of Inframicrobiology of Rumanian Academy of Sciences, Veterinary
Laboratory (Laboratorul veterinar) Oradea, Trustul Gostat Craiova, and
State Farm (Gospodaria agricola de stat) Laicai-Argeș.

"Active Immunization to Ovine Enzootic Abortion. Immunologic Studies
in Various Epizootic Conditions."

Bucharest, Studii si cercetari de inframicrobiologie, Vol 14, No 3,
1963; pp 283-294.

Abstract [English summary modified]: Experiments with vaccines during
epizootics of ovine abortion, using virus from fetal membranes of
affected lambs or an apparently closely related calf bronchopneumonia
pararickettsia, inactivated either by Ag ion treatment or formalin
after Al(OH)₃ adsorption: rate of abortion, lamb mortality and ewe
sterility were consistently more favorable in vaccinated than control
groups; Ag was better than formalin inactivation, homologous virus
superior to the bovine pararickettsial strain. Serologic tests agreed
with clinical results. Seven tables; 9 Western and 13 Rumanian ref's.

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NICOLAU, St. S.; SURDAN, C.; SARATEANU, D.; ATHANASIU, Pierrette;
ANAGNOSTE, E.; SURDOC, G.; POPESCU, G.; en collaboration
avec ILIESCU, S.; RADESCU, R.; MALITCHI, E.

Study on the rickettsial etiology of various angiopathies.
Rev. sci. med. 8 no. 1/2:69-73 '63.

1. Membre de l'Academie de la Republique Populaire Roumaine
(for St.S. Nicolau).

(RICKETTSIAL DISEASES) (VASCULAR DISEASES)

PETRESCU, Al.; ATHANASIU, Pierrette; SURDAN, C.; CAJAL, N.;
SARATEANU, D.; avec la collaboration de VELCIU, V.
MARIN, D.; CADERE, N.

Viral etiology of ulcerous disease II. Rev. sci. med. 8
no. 1/2:75-77 '63.

1. Membre de l'Academie de la Republique Populaire Roumaine
(for Nicolau).
(PEPTIC ULCER) (VIRUS DISEASES) (RICKETTSIAL DISEASES)

SURDAN, C.; SARATEANU, L.; POPESCU, G.; ANAGNOSTE, B.; SORODOC, G.; ATHANASIU, P.; STEFANESCU, I.; in colaborare cu: SILVIU DAN, S.

Research on the rickettsial or pararickettsial etiology of some thrombophlebitis. Stud. cercet. inframicrobiol. 14 no.2: 161-170 '63.

1. Comunicare prezentata la Institutul de inframicrobiologie al Academiei R.P.R.

(THROMBOPHLEBITIS)
(THROMBOANGIITIS OBLITERANS)
(ERYTHEMA NODOSUM)
(RICKETTSIAL DISEASES)

ATHANASIU, Pierrette; SURDAN, C.; SARATEANU, D.; POPESCU-DANESCU, Georgeta;
STEFANESCU, I.; in colaborare cu: MARIN, D.; VELCIU, V.

Research on the viral etiology of some chronic pneumopathies.
Stud. cercet. inframicrobiol. 14 no.2:213-216 '63.

(BRONCHITIS) (PULMONARY EMPHYSEMA)
(ASTHMA) (RICKETTSIAL DISEASES)

NICOLAU, St. S., academician; ATHANASIU, Pierrette; SURDAN, C.; PETRESCU, Al.; POPESCU, Georgeta; STEFANESCU, I.; in colaborare cu: STOIA, I.; MARIN, D.

The role of rickettsial and pararickettsial diseases in the activation of arthroses and spondyloses. Stud. cercet. inframicrobiol. 14 no.5:551-563 '63.

(RICKETTSIAL DISEASES) (JOINT DISEASES)
(SPINAL DISEASES) (ARTHRITIS, RHEUMATOID)
(TETRACYCLINE)

NICOLAU, St.S., academician; SURDAN, C.; SARATEANU, D.; ATHANASIU, P.;
SORODOC, G.; POPESCU-DĂNESCU, G.

Rickettsial etiology of cardiovascular diseases. Stud. cercet.
endocr. 14 n .4/5/61 437-456 '63.

RUMANIA

SURDAN, C., SARATEANU, D., BABES, V.T., POPESCU, Georgeta, STEFANESCU, Ileana and NESTEROV, I. of the Institute of Inframicrobiology of the RPR Academy (Institutul de Inframicrobiologie al Academiei RPR) and the Laboratory of Game Biology of the Institute of Forest Research (Laboratorul de Biologia Vinatului al Institutului de Cercetari Forestiere).

"Is Epidemic Typhus an Anthroponosis?"

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 14, No 5, 1963, pp 583-592.

Abstract [Authors' English summary modified]: Serological tests for rickettsial and pararickettsial affections were carried out on 210 domestic animals (cows, ewes, sows) and 154 wild animals. Among the domestic animals there were 92.8% positive reactions, of which 63% to R. prowazekii alone or combined with other antigens. For wild animals, the respective percentages were 34.4% positive, of which 35.7% to R. prowazekii. The authors discuss the possibility that R. prowazekii exists in other animals besides men and lice.

Includes 4 tables and 6 references, of which 4 French and 2 Russian.

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1/1

NICOLAU, St.S. SURDAN, C.

Recent nosological aspects in the pathology of latent rickettsial or pararickettsial infections. Research on the etiological role of certain inframicrobes in different diseases and manifestations: cardiovascular, gastric and duodenal ulcer, pregnancy pathology, rheumatic arthropathies and certain chronic lung diseases. Arch. roum. path. exp. microbiol. 22 no.4: 961-978 S-D'63

1. Travail de l'Institut d'Inframicrobiologie de l'Academie de la Republique Populaire Roumaine. Directeur: Acad. St.S. Nicolau.

SURDAN, C.; SARATEANU, D.; SORGIOR, G.

Investigations on the role of viral infections in acneiform
dermatitis. Stud. cercet. inframicrobiol. 15 no.1:43-50 '64.

NICOLAU, St. S., acad.; SURDAN, C.; SARATEANU, D.; ATHANASIU, Pierrette

Studies of the rickettsial or pararickettsial origin of some
peripheral angiopathies. Stud. cercet. inframicrobiol. 15 no.4:
325-337 '64

SARATMANU, D.; SURDAN, C.; SORODOC, D.

The incidence of anti-ornithosic antibodies in men and several
species of animals. Stud. cercet. inframicrobiol. 15 no.4:
339-347 '64

SORODOC, G.; SURDAN, C.; STRULOVICI, D.; BURDUCEA, O.; COPELOVICI, Yolanda

Inframicrobiological research on the causal agent of enzootic bronchopneumonia of swine (strain G). I. The action of some physical and chemical agents on the causal agent of enzootic bronchopneumonia in swine (strain G). Studii cercet. infra-microbiol. 15 no.6:563-567 '64

SORODOC, G.; STRULOVICI, D.; COPELOVICI, Yolanda; SURDAN, C.

Inframicrobiological research on the agent of enzootic broncho-pneumonia in swine (strain G.). II. Primary susceptibility of some cell cultures to infection with the swine enzootic broncho-pneumonia agent adapted to human embryo cell cultures. Stud. cercet. inframicrobiol. 16 no.1:81-84 '65.

SURDAN, G.; RUPESCU, Georgeta; ATHANASIU, Pierrette; SORODOC, G.;
ENACHE, A.

Epizootiological and anatomoclinical aspects of pararickettsial infections in swine. I. Acute, febrile disease in swine of an enzoo-epizootic character. Stud. cercet. inframicrobiol. 16 no. 2:119-127 '65.

BOTGROS, V., dr.; SURDAN, C., dr.; MISCA, C., dr.; SORODOC, Gh., dr.

Morbilliform eruption in a case of pararickettsial infection. Microbiologia (Bucur) 10 no.2:157-162 Mr-Ap'65.

1. Lucrare efectuata in Spitalul de boli infectoase "Dr. V. Fabes" si Institutul de inframicrobiologie al Academiei Republicii Populare Romane, Bucuresti.

SOROCOC, G.; SOFODOC, Yolanda; COPELOVICI, Yolanda; SURDAN, C.; ATHANASIU, Pierrette; STRULOVICI, D.

Inframicrobial studies of the swine enzootic bronchopneumonia agent (strain G). III. Plaque formation capacity of the swine enzootic bronchopneumonia agent in human embryonal cell cultures. Stud. cercet. inframicrobiol. 16 no.2:139-143 '65.

ATHANASIU, Pierrette; MARIN, D.; SURDAN, C.; POPESCU, Georgeta;
STEFANESCU, Ileana

Can rickettsial and pararickettsial germs intervene in the
etiology of pulmonary scleroemphysema? Stud. cercet. infra-
microbiol. 16 no.3:201-210 '65.

SURPAN, C.; ATHANASIU, Pierrette; SORODOC, G.; ENACHE, A.; MOCANU, A.

Different epizootiological and anatomo-clinical aspects of para-
rickettsial infections in swine. II. Vaginitis testis in 4
boars. Stud. cercet. inframicrobiol. 16 no.3:245-253 '65.

SURDAN, C.; SORODOC, G.; ENACHE, A.

Serological research on rickettsial and pararickettsial diseases
in animals and man in several epizootic foci. Stud. cercet. in-
framicrobiol. 16 no.1:33-45 '65.

RUMANIA

616.15:616.2:576.8

ATHANASIU, Pierrette, SARATEANU, D., SURDAN, C., POPESCU, George-ta, STEFANESCU, Ileana, BABES, V., BILLER, Sigrid, BRUNITKI, Al., DANIELESCU, Georgeta, BUTOIANU, C., IALOMITEANU, M., RADULESCU, I., COSTANDACHE, D., DOPRESCU, Gh., and NAUM, O., of the Institute of Inframicrobiology (Institutul de Inframicrobiologie) of the Academy of the Socialist Republic of Rumania (al Academiei Republicii Socialiste Romania).

"A Study of the Relations Between the Etiology and Changes in the Serum Electrophoregram in Patients with Acute Rickettsial, Pararickettsial, Adenovirotic and Grippal Pneumopathies."

Bucharest, Studii si Cercetari de Inframicrobiologie, Vol 17, No 2, 66, pp 93-103.

Abstract: Statistical analysis of laboratory data showed that in the acute stages of all the above diseases the albumins are lowered and globulins are raised, and the albumin/globulin ratio is less than unity. During convalescence the proteinogram returns to normal alongside the increase of specific antibodies in the case of grippal or adenovirus infections, but in the case of rickettsial or pararickettsial ones does so only when the specific antibodies are countered by treatment.

Includes 4 Rumanian and one French reference.

1/1

SURDA, C.; ATHANASIU, Pierette; PETRESCU, Al.; BABES, V.; STEGANESCU,
Ileana; COPELOVICI, Yolanda; NICOLAU, St.S; CARAPANCEA, M.

Investigations of the role of rickettsial and para-rickettsial
infections in human eye diseases. Stud. cercet. inframicrobiul.
15 no.5:447-454 '64.

SURDAN, V.; PORFOCALE, R.; DUMITRESCU, S.; IONESCU, Ni.

A cytological study of the changes caused by Rubarth's virus in
the liver of chick embryos. Rev. sci. med. 7 no.3/4:203-207 '62.
(VIRUS CULTIVATION) (LIVER)

Q-4

POLAND / Farm Animals, Hogs

Abs Jour: Ref Zhur-Biol., No 2, 1958, 7192

Author : Z. Surdatskiy

Inst : Not given

Title : Supplementary Feeding of Suckling Pigs

Orig Pub: Nowe roln. 1956, 5, No 12, 941-944 (Pol'sk)

Abstract: Experimental Suckling pigs (20 liters) in contradistinction to the control group (10 liters) were given roasted barley 50 to 100 grams per day) beginning with the seventh day after their birth. Supplementary feeding with skimmed milk, a special mixture made with concentrates and minerals, edible roots etc., was given to both groups alike starting at the age of four weeks. The live weight of the experimental suckling pigs was higher than the weight of the control

Card 1/2

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1953) and by 17 percents (in the experiments of 1954).

Card 2/2

SAGARMAN, A.; HORNEMICHAN, Thea; GRITASECU, Victoria; ANTOHI, Maria;
SURDEANU, Marietta

Properties of dwarf colonies of *S. typhimurium* obtained w^t the
use of neomycin and streptomycin. Arch. Roum. path. exp.
microbiol. 23 no.4:911-918 D '64.

1. Travail de l'Institut "Dr. I. Cantacuzino", Service des
Cultures microbierres. Submitted June 14, 1964.

SASARMAN, A.; SURDEANU, Marietta

Presence of the R factor in strains of *Shigella* isolated in
Rumania. Arch. Roum. path. exp. microbiol. 23 no.4:919-926
D '64.

1. Travail de l'Institut Medico-Pharmaceutique, Bucarest
et de l'Institut "Dr. I. Cantacuzino". Submitted June 1,
1964.

SASARMAN, A.; HORODNICKANU, Thea; GRITAENCO, Viorica; ANTOHI, Maria;
SURDEANU, Marieta.

Contribution to the study of the isolation of Cl. perfringens.
IV. Effect of incubation at 46° - 47° on the isolated strains.
Arch. roum. path. exp. microbiol. 23 no.3:697 - 704 S'63

1. Travail de l'Institut "Dr. I. Cantacuzino"; Service des Cul-
tures Microbiennes, Bucarest.

SURKIN, L., et al; DIMITRIU, M., et al.

Value of some methods of exploration in a case of cardiac aneurysm. Rev. Intern. (Bucur.) 16 no.12:1269-1273 C '64

L. Surkin et al. date in Clinica de Medicina Spitalului "Dr. I. Iosifescu" directrice Prof. Dr. Ciampescu).

Country : Yugoslavia
Category : Diseases of Farm Animals. Diseases Caused by Viruses and Rickettsiae. R-2
Pub. Jour : RZBiol., No. 4, 1959, No. 16831
Author : Zivkovic, Slobodan; Surdocki, Isa; Mancic,*
Institut. : ..
Title : The Pneumonia Virus in the Swine.

Pub. : Foljepr. Vojvod., 1956, 6, No 1, 31-36
Abstract : No abstract.

Card: 1/1
*Dragan.

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YUGOSLAVIA

PUNAC, I.; MURGASKI, S.; SURDUCKI, I.; and SEVKOVIC, N., Institute for Preventive Veterinary Medicine (Institut za preventivnu veterinarsku medicinu), Belgrade

"Effect of Environment and Density of Population in Pig Pens with Slotted Floors on Results of Fattening Swine and on the Quality of Meat"

Belgrade, Veterinarski Glasnik, Vol 20, No 10, 1966, p. 733-742

Abstract [English summary modified]: Study of suitability of slotted or latticed floors in hog pens to replace the usual cold floors, revealed that slotted floors consistently gave superior results in terms of final body weight as well as feed efficiency, regardless of the number of head kept in the standard size box. 7 tables, 2 United States references.
Manuscript received 28 Apr 66.

RUMANIA

CAFrita, At., Major, Medical Corps; BANDILA, Tr., Lieutenant-Colonel, Medical Corps; GIURGIU, T., Lieutenant-Colonel, Medical Veterinary Corps; STRIMBEANU, I., Colonel, Medical Corps; SAFTA, T., Major, Medical Veterinary Corps; SURDULESCU, St., Lieutenant Major, Medical Corps; and PLESCA, M., Medical Corps.

"Ganglioplegics in Shock"

Bucharest, Revista Sanitara Militara, Vol 16, Special No., 1965; pp 84

Abstract: In a brief summary authors report their experiments in unstated number of dogs which, exposed to traumatic shock and treated with unstated ganglioplegic drugs, had life prolonged by 30 to 40% in comparison with untreated controls. The postulated mode of action is by delaying onset of irreversible shock, as by increasing blood volume and improving splanchnic circulation.

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MEL'NIKOV, E.A.; SURDUTOVICH, A.F.

Transistor trigger network with three steady states of equilibrium.
Izv.vys.ucheb.sav.; radiotekh. 5 no.6:738-739 N-D '62.

(MIRA 16:1)

1. Rekomendovano kafedroy avtomatiki i telemekhaniki Moskovskogo
energeticheskogo instituta.

(Pulse circuits)

S/109/62/007/006/005/024

D266/D308

Theory of unequally ...

where $x_k = 2d_k/\lambda$, d_k - distance of the k th element from the origin, λ - wavelength, I_k - current in the k th element, $u = \tilde{u}\cos\theta$, θ - elevation angle. The currents are assumed to be real (all elements in phase) and to satisfy the normalization condition

$$\sum_{k=1}^n I_k = 1 \quad (6)$$

Prescribing the magnitude and position of the side lobes the following equation system is obtained:

$$F(u_i) = \pm u, \quad i = 1, \dots, m \quad (1)$$

$$\frac{\partial F}{\partial u_i} = 0, \quad i = 1, \dots, m - 1 \quad (2)$$

Card 2/3

Theory of unequally ...

S/109/62/007/006/005/024
D266/D308

It is shown that if the number of the prescribed side lobes is equal to n the width of the main lobe is the smallest for a given μ . If the currents are allowed to vary the optimum array consists of equidistant elements and the radiation pattern is given by a Chebyshev polynomial. Introducing the restriction of equal currents in the elements and making

$$F(u_i) = (-1)^i u$$

4

the resulting algebraic equations are first transformed into a quasilinear differential equation system and then solved on an electronic computer. Examples are worked out for an 8-element and a 17-element array. A radiation pattern for the latter array for $\mu = 0.065$ is shown in a graph. The corresponding spacing of the elements: $x_1 = 0.654$, $x_2 = 1.439$, $x_3 = 2.077$, $x_4 = 2.904$, $x_5 = 3.733$, $x_6 = 4.668$, $x_7 = 5.911$, $x_8 = 7.379$. The width of the main lobe is 8.2 degree at the level μ . There are 10 figures and 2 tables.

SUBMITTED: September 25, 1961
Card 3/3

S/020/62/147/001/011/022
B104/B102

Emission from a charged particle...

is obtained for the current density,

$$\rho(k) = -B_{q\omega} \left(\frac{\omega}{p} \frac{1}{\sqrt{p-u}} - \frac{a \cos \theta + i \omega \gamma^3 \sin \theta}{a^3} \frac{\sqrt{p-k}}{k+i\tau} \right). \quad (11)$$

for the charge density, and $\pi = 3e^2 p^2 / 8\pi c$ for the total emission energy.

In these formulas $a = \sqrt{\omega^2 \gamma^2 + q^2 \beta^2}$, $\tau = \frac{\sin \theta - i \cos \theta}{\beta}$, $\gamma = \sqrt{1 - \beta^2}$, $A^{(0)} = \{A^{(0)}, \varphi^0\}$ is the field of the point charge in free space and $A = \{A, \varphi\}$ is the field induced by the charges and currents of the shield. Furthermore, the symbols shown in Fig. 1 are valid. Thus, the total emission energy for high and small velocities proves to be proportional to the kinetic particle energy. In the ultrarelativistic case, if the characteristic wavelength is small compared with a , the problem can be studied by the approximation of geometrical optics. There is 1 figure.

ASSOCIATION: Institut radiofiziki i elektroniki Sibirskogo otdeleniya Akademii nauk SSSR (Institute of Radiophysics and Electronics of the Siberian Branch of the Academy of Sciences USSR)

Card 2/3

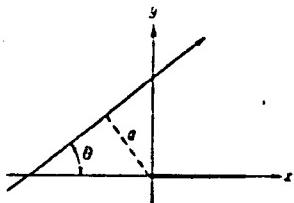
Emission from a charged particle...

S/020/62/147/001/011/029
B104/B102

PRESENTED: June 7, 1962, by M. A. Leontovich, Academician

SUBMITTED: June 5, 1962

Fig. 1



Card 3/3

I 52953-65 EMT(a)/EPF(c)/EPF(n)-2/EPF(t)/EMP(b)/EMA(h) Pr-4/Pu-4 IJP(c)
ACCESSION NR: AP5010505 JD UR/0056/65/048/004/1097/1110
27
26
0

AUTHOR: Pokrovskiy, V. L.; Surdutovich, G. I.

TITLE: Scattering of slow neutrons in He near the Lambda curve

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 48, no. 4, 1965,
1097-1110

TOPIC TAGS: helium, slow neutron, neutron scattering, scattering cross section,
Lambda point, second order phase transition, fluctuation

ABSTRACT: To clarify the connection between the thermodynamic quantities involved in phase transitions and the scattering of neutrons by the related density fluctuations, the authors use a previously developed theory of phase transitions (A. Z. Patashinskii and V. L. Pokrovskiy, ZhETF v. 46, 994, 1964) to determine the cross section for the scattering of slow neutrons in helium near the λ -curve. Connections between the neutron scattering cross section and the fluctuation spectrum and between the neutron scattering cross section and the compressibility are also established. The form obtained for the fluctuation spectrum is $\epsilon = Aq^{3/2}$ (ϵ = energy, q = momentum, A a constant which can be determined from experimental data)

Card 1/2

L 52953-65

ACCESSION NR: AP5010505

lends itself to an experimental verification by sensitive measurements. "We thank V. M. Galitskiy for a discussion." Orig. art. has: 4 figures and 63 formulas.

ASSOCIATION: Institut fiziki poluprovodnikov, Sibirs'kogo otdeleniya Akademii nauk SSSR (Institute of Semiconductor Physics, Siberian Department, Academy of Sciences SSSR)

SUBMITTED: 15Aug⁶⁴

ENCL: 00

SUB CODE: NP

NR REF Sov: 005

OTHER: 004

8.45
Card 2/2

~~VERDENSKIY, N.; KAPUSTIN, N.G., dotsent, kandidat tekhnicheskikh nauk;~~
~~SURDUTOVICH, I.N.; IGNAT'YEV, A.D., kandidat tekhnicheskikh nauk.~~

New mining systems. Ugol' 32 no.5:6-12 My '57. (MLRA 10:5)

1. Tomskiy politechnicheskikh institut (for Kapustin). 2.
Dneprogiproshakht (for Surdutovich). 3. Vostochnyy uglekhimicheskiy
institut (for Ignat'yev).

(Coal mines and mining)

SURDUTOVICH, I.N.

Hydraulic mining enterprise with an output of twenty thousand
tons per 24 hours. Ugol' Ukr. 3 no.4:4-8 Ap '59.
(MIRA 12:7)

1. Glavnnyy inzhener Dneprogiproshakht.
(Donets Basin--Hydraulic mining)

SURDUTOVICH, I.N., gornyy inzh.; GREBENYUK, V.K., gornyy inzh.

Automatically controlled feeder for the hydraulic hoisting of
coal and rocks. Ugol' Ukr. 5 no.4:40-41 Ap '61. (MIRA 14:4)

1. Dneprogiproshakht.
(Hydraulic mining) (Mine hoisting)

SURELLO, G.S.

Problems of emergency surgery in rural areas [with summary in English]
Khirurgiia 34 no.7:21-25 Jl '58 (MIRA 11:9)

1. Iz Khirurgicheskogo otdeleniya (zav. G.S. Surello) Kadomskoy
rayonnoy bol'nitsy Ryazanskoy oblasti (glavnnyy vrach Yu.Ya. Yampol'
skaya).

(RURAL CONDITIONS,

problems of emergency surg. in rural areas in Russia
(Rus))

(SURGERY, OPERATIVE,

emergency surg. in rural areas in Russia, problems
(Rus))

SURELLO, G.S.

Organization of anticancer work in a rural area. Vop. onk. 6 no.7:
100-103 Je '60. (MIRA 14:4)
(ONCOLOGY) (MEDICINE, RURAL)

KURYLEV, Yevgeniy Sergeyevich; GERASIMOV, Nikolay Aleksandrovich. Prinimal
uchastiye SURENKOVA, S.I.; SHEVELEV, A.P., kand. tekhn. nauk, retsen-
zent; KANOV, B.I., kand. tekhn. nauk, red.; SIMONOVSKIY, N.Z., red.
izd-va; OMISHCHENKO, R.N., red. izd-va; PETERSON, M.M., tekhn. red.

[Refrigerating units] Kholodil'nye ustavki. Moskva, Mashgiz, 1961.
607 p. (MIRA 14:12)

(Refrigeration and refrigerating machinery)

TRET'YAKOV, N.P., kand.tekhn.nauk.; SURENKO, S.I., inzh.

Absorption system domestic refrigerator with plate evaporators.
Khol.tekh. 40 no.3:22-25 Ny-Je '63. (MIRA 16:9)

1. Leningradskiy tekhnologicheskiy institut kholodil'noy promysh-
lennosti.
(Refrigerators)

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1001 0 0771

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